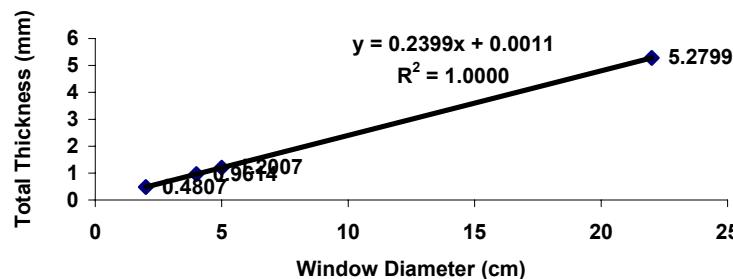


# Determination of the window thickness (btw cryostat and beam pipe vacuums)

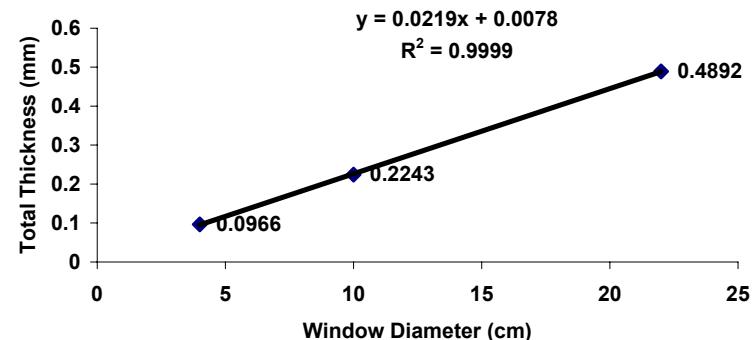
Case A) two windows to be separated by the atmosphere:

Beam pipe vacuum---wind#1---atm---wind#2---Cryostat vacuum

Two Aluminium window thickness to withstand 15 psid  
Convergence towards 124.8 MPa=18.1 ksi



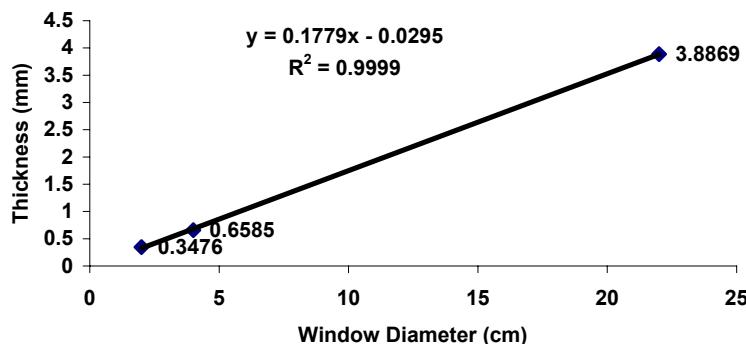
Two Titanium window thickness to withstand 15 psid  
Convergence towards 48.4 ksi (334 MPa)



Case B) one window in between both vacuums

Beam pipe vacuum---wind#1---Cryostat vacuum

Aluminium window thickness to withstand 30 psid  
Convergence towards 124.8 MPa=18.1 ksi



Titanium window thickness to withstand 30 psid  
Convergence towards 48.4 ksi (334 MPa)

